

FIG. 1(PRIOR ART)

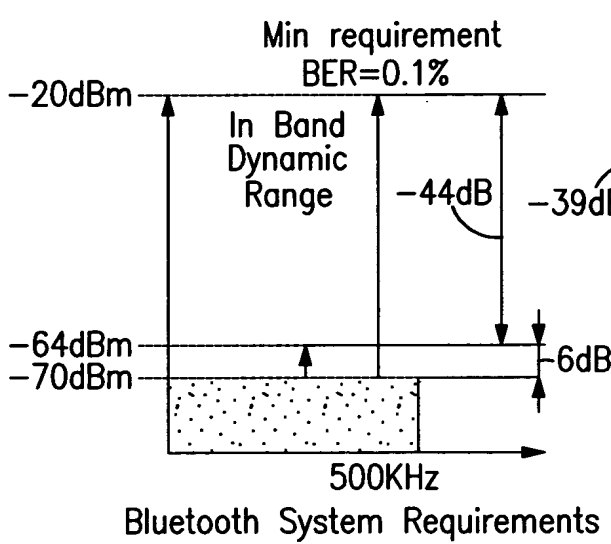


FIG. 2A(PRIOR ART)

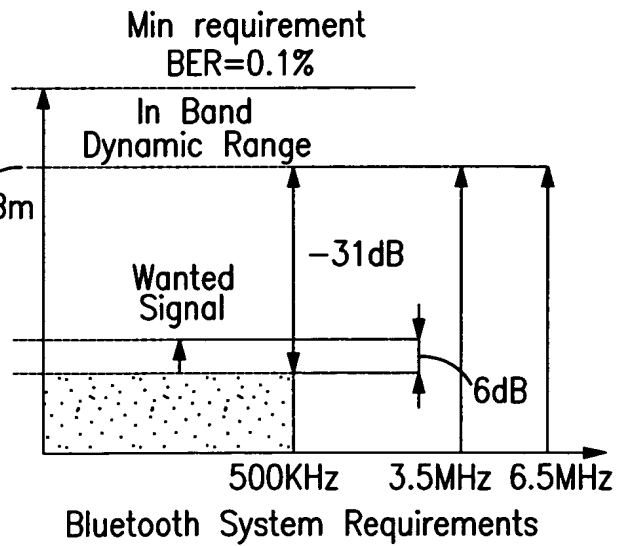


FIG. 2B(PRIOR ART)

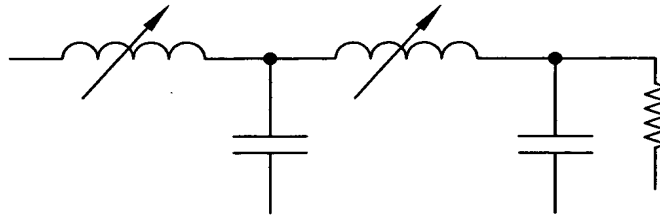


FIG. 3A
 PRIOR ART

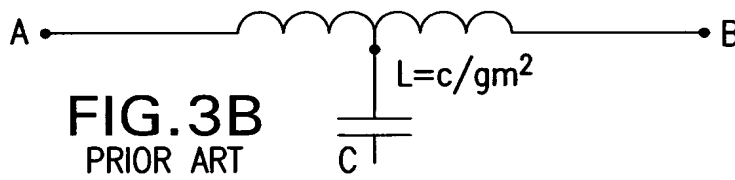
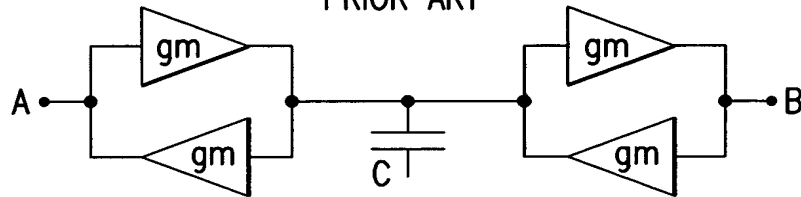


FIG. 3B
 PRIOR ART

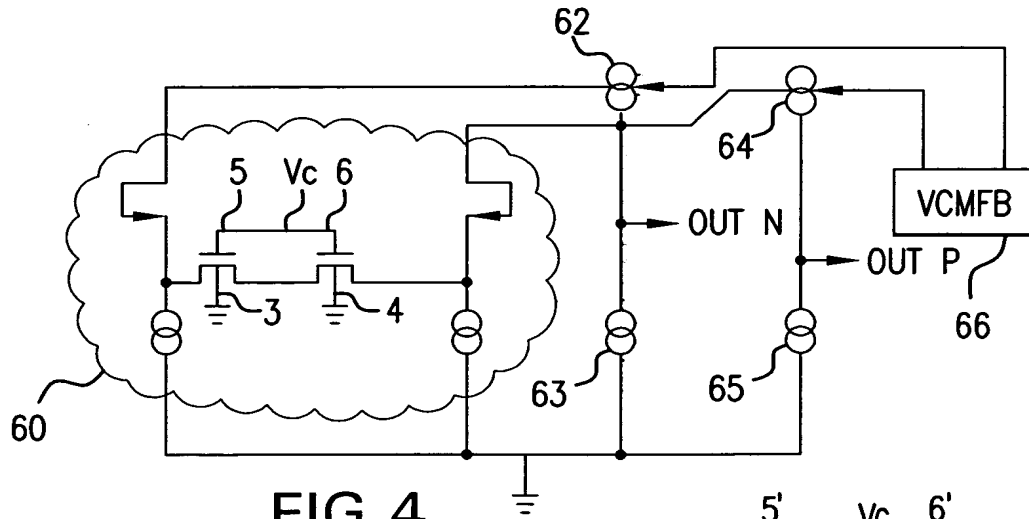


FIG. 4
 PRIOR ART

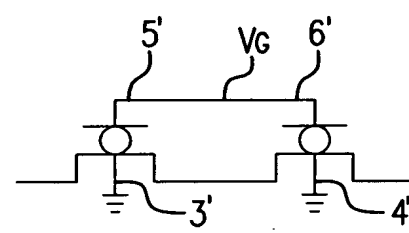


FIG. 9

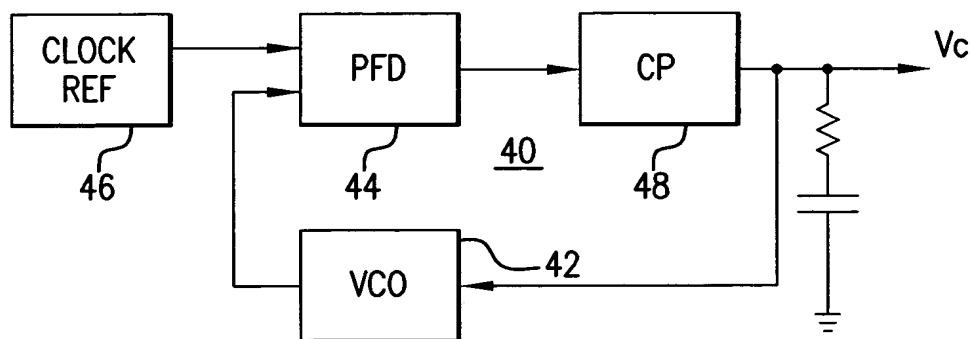


FIG. 5

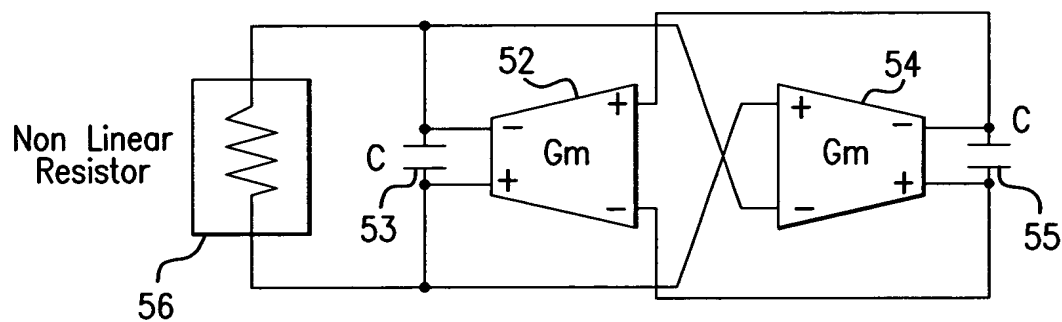
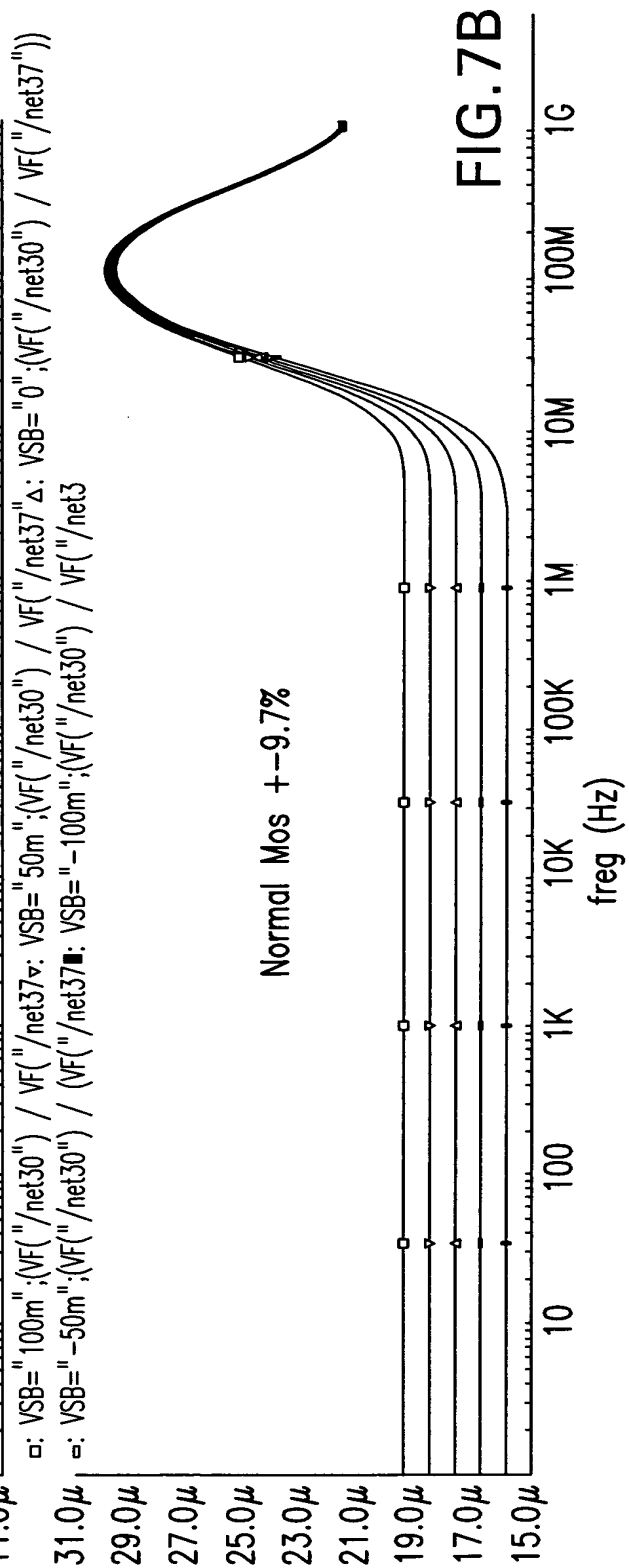
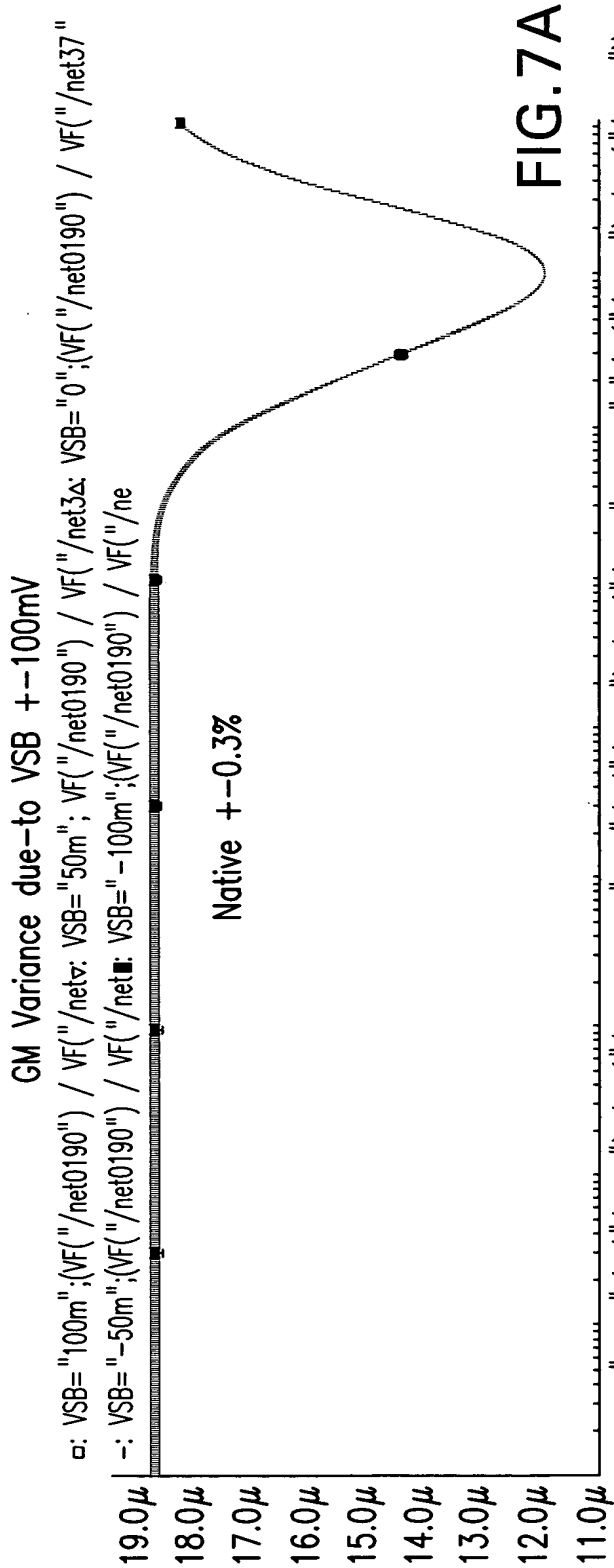


FIG. 6
 The GM VCO



Current Linearity and Vc dynamic Range

\square : $v_c = "1 +$; \times : $v_c = "1 \times$; ∇ : $v_c = "1 \nabla$; \triangle : $v_c = "1 \triangle$; \diamond : $v_c = "1 \diamond$; \circ : $v_c = "9$
 \square : $v_c = "7$; ∇ : $v_c = "5$; \triangle : $v_c = "3$; $-$: $v_c = "1$; \square : $v_c = "0$

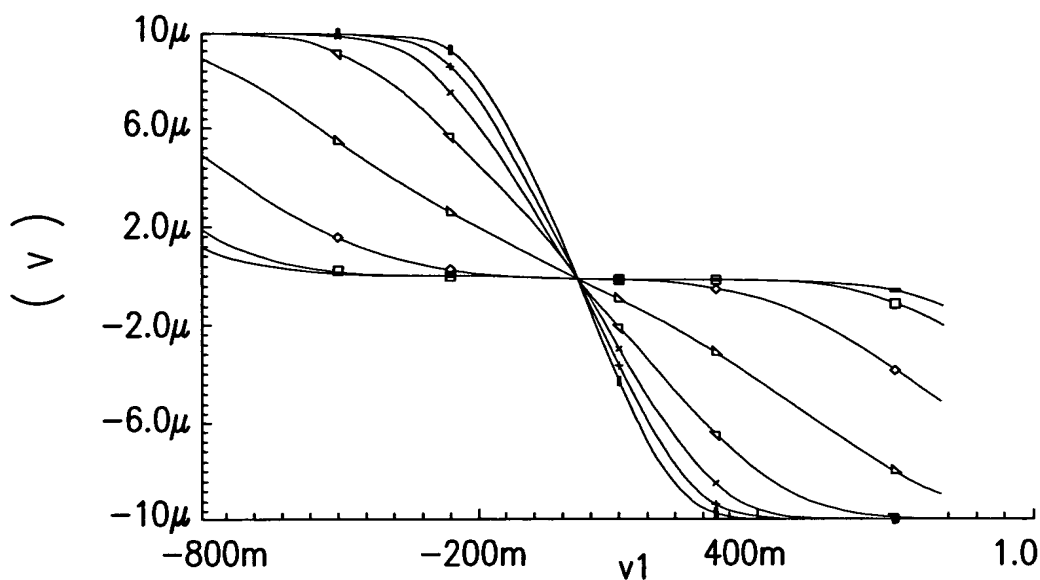


FIG. 8A

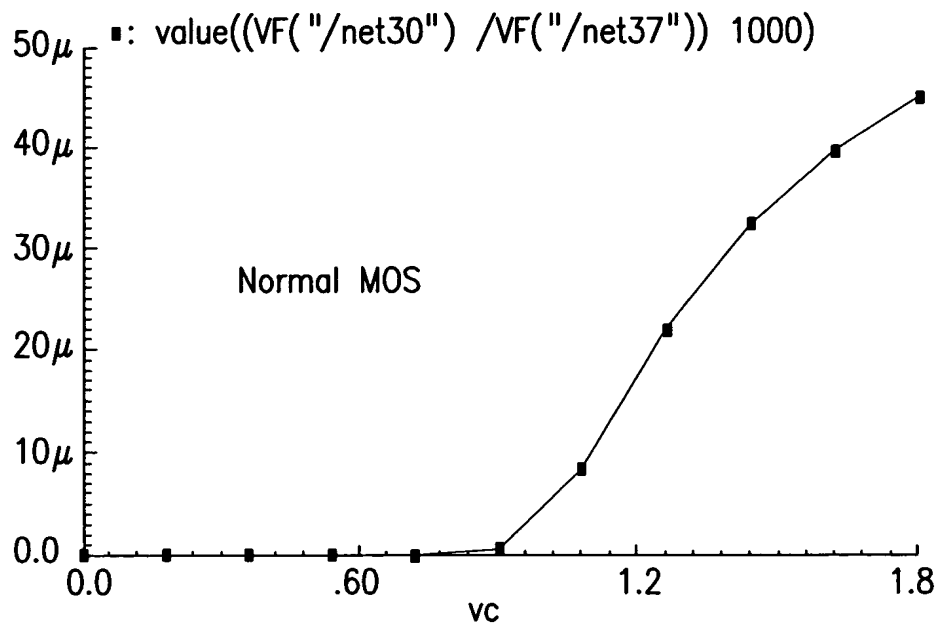


FIG. 8B

Current Linearity and Vc dynamic Range

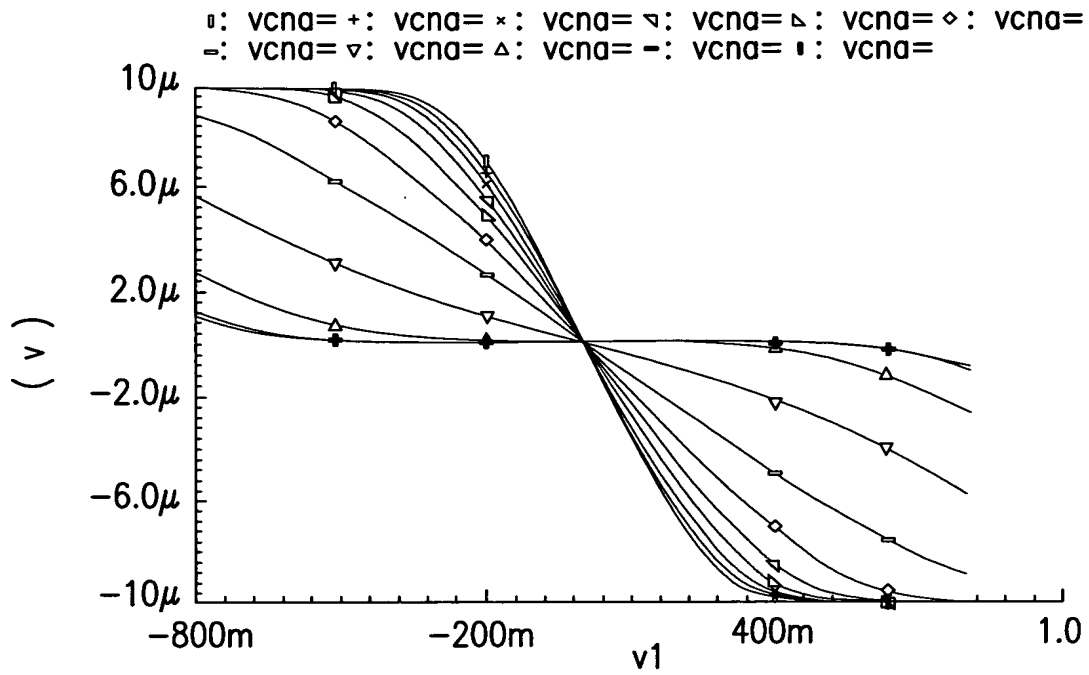


FIG.8C

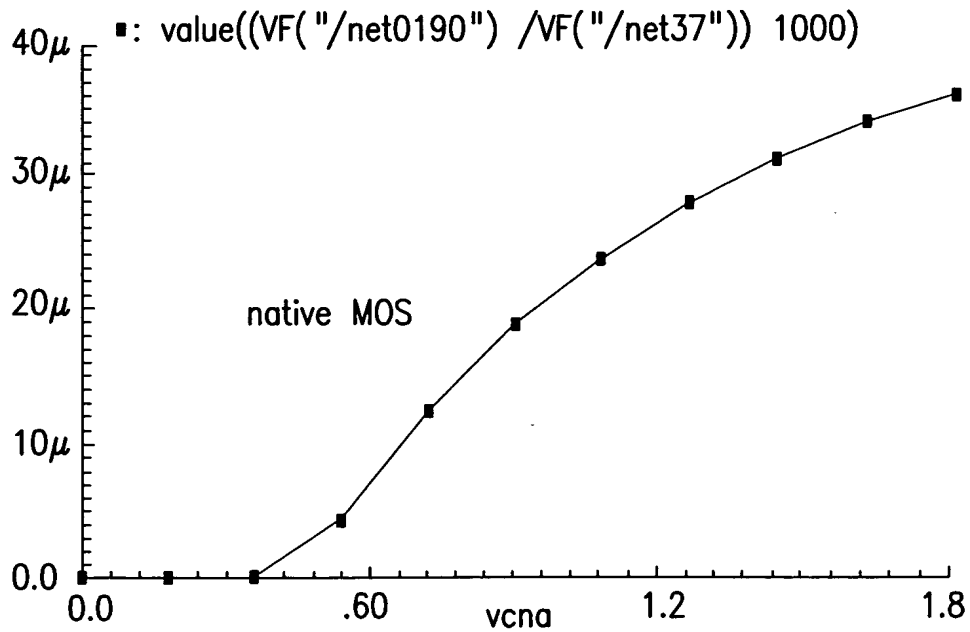


FIG.8D